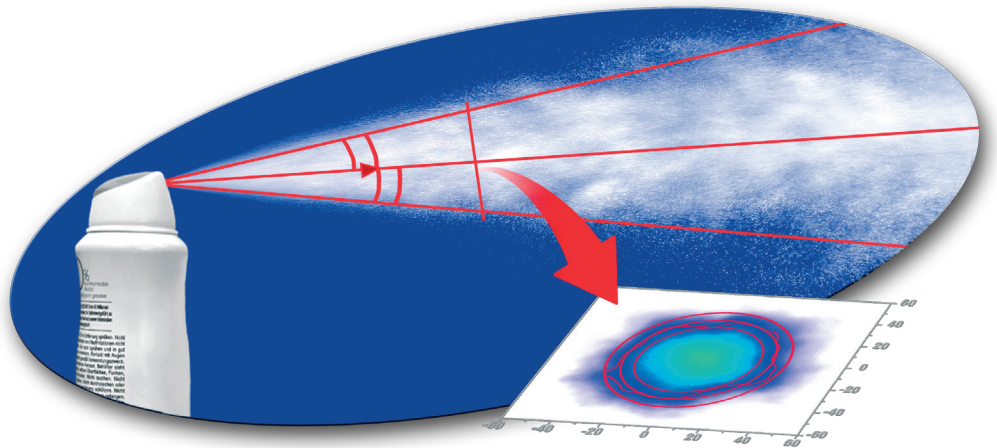


SprayMaster *inspex*

Laboratory testing and
quality control

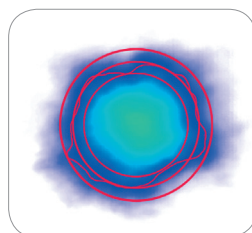
LaVision's **SprayMaster inspex** systems measure spray pattern and spray plume geometry of spray and aerosol generating devices. The multifunctional systems are designed for detailed spray characterization of samples and production prototypes in R&D and quality control from the home care and beauty sector.



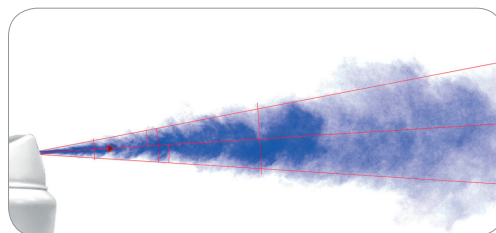
The quality of home care and beauty sprays is influenced by a combination of packaging, dispensing method and product composition. Optical spray characterization offers many advantages to achieve the best spray properties:

- Advantages**
- ▶ spray process optimization in R&D
 - ▶ quality control QC of aerosol devices
 - ▶ speed-up product design
 - ▶ compliance with safety regulations
 - ▶ non-intrusive spray test

Applications



Pattern



Plume



Break-up

Full visualization and characterization of spray plume and pattern geometry, e.g.

- ▶ spray plume videos (temporal spray development)
- ▶ plume geometry, angle, penetration etc.
- ▶ spray break-up
- ▶ pattern geometry, size, homogeneity, circularity etc.
- ▶ global velocity measurement (PIV)

LaVisionUK Ltd

2 Minton Place / Victoria Road
Bicester, Oxon / OX26 6QB / United Kingdom
E-Mail: sales@lavisoin.com / www.lavisoinuk.com
Phone: +44-(0)-870-997-6532 / Fax: +44-(0)-870-762-6252

LaVision GmbH

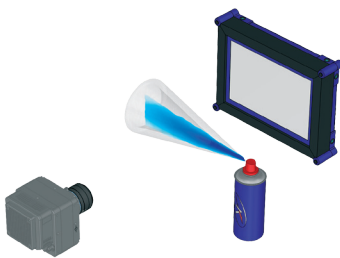
Anna-Vandenhoeck-Ring 19
D-37081 Göttingen / Germany
E-Mail: info@lavisoin.com / www.lavisoin.com
Tel. +49-(0)551-9004-0 / Fax +49-(0)551-9004-100

LaVision Inc.

211 W. Michigan Ave. / Suite 100
Ypsilanti, MI 48197 / USA
E-Mail: sales@lavisoininc.com / www.lavisoininc.com
Phone: (734) 485 - 0913 / Fax: (240) 465 - 4306

The multifunctional **SprayMaster inspex Base Frame** provides universal mounting options, optimized for various samples, such as spray bottles from the home care and beauty sector. The versatile design allows quickly switching between different spray types and measurement setups.

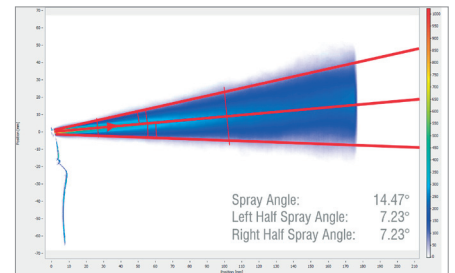
Spray plume characterization



Measurement principle

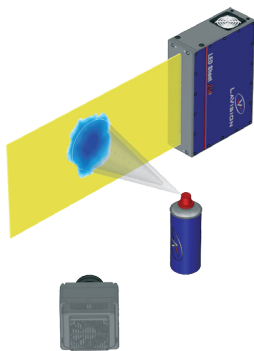


Setup example



Example result spray plume

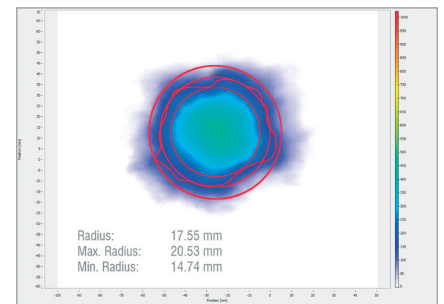
Spray pattern characterization



Measurement principle



Setup example



Example result spray pattern

Features

- ▶ spray sizes up to 250 x 250 mm (depending on system components)
- ▶ easy to use mounting system for indicated positions
- ▶ mounting points for LaVision cameras and illumination systems
- ▶ light barrier system for synchronic recording start of spray injection
- ▶ calibration plate for scaling and image correction included

Data provided by LaVision is believed to be true. However, no responsibility is assumed for possible inaccuracies or omissions. All data are subject to change without notice.

Feb-22

LaVisionUK Ltd

2 Minton Place / Victoria Road
Bicester, Oxon / OX26 6QB / United Kingdom
E-Mail: sales@lavisoin.com / www.lavisoinuk.com
Phone: +44-(0)-870-997-6532 / Fax: +44-(0)-870-762-6252

LaVision GmbH

Anna-Vandenhoeck-Ring 19
D-37081 Göttingen / Germany
E-Mail: info@lavisoin.com / www.lavisoin.com
Tel. +49-(0)551-9004-0 / Fax +49-(0)551-9004-100

LaVision Inc.

211 W. Michigan Ave. / Suite 100
Ypsilanti, MI 48197 / USA
E-Mail: sales@lavisoinc.com / www.lavisoinc.com
Phone: (734) 485 - 0913 / Fax: (240) 465 - 4306